Flame Photometer LX402FP

Email: info@labdex.com **website:** www.labdex.com

Description

Flame Photometer LX402FP is a high-quality and high-performance instrument with a color touch screen digital display, used for the determination of the concentration of certain metal ions mainly K Na and Li. There will be no damage to the equipment as the air supply is oil and moisture-free. The environmental temperature is 10°C to 35°C and relative humidity is ≤85%. The flame failures can be easily detected by protection functions for more safe and reliable operation.

Specifications

Elements detected	K, Na, Li
Display value	Concentration value
Data range	0.000~9.999
Channel quantity	3
Aspiration rate	
Response time	
Stability	3% drift over 15 S when continuously aspirating
Reproducibility	3% coefficient of variation for 7 consecutive samples
LOD ppm	K: 0.01ppm Na: 0.01ppm Li: 0.1ppm
Range	K: 0 - 100 ppm Na: 0 - 160 ppm Li: 0 - 100 ppm
Linearity	K: 0.195 ppm (0.39 - 3.12) ppm Na: 0.69 ppm (1.15 - 9.2) ppm Li: 0.15 ppm (0.25 - 5) ppm

Interface	USB
Power supply voltage	(220 ± 22) V
Frequency	(50/60±1)Hz
Net weight	18 kg
Packing dimensions	780 x 560 x 390 mm
Gross weight	26 kg

Features

- 7-inch color touchscreen digital display
- Direct concentration display with concentration units selectable
- Having features like automatic calculation of correlation coefficient, pre-selection of flame sizes and measuring range-changing
- Dual mode to study the K and Na testing simultaneously
- Protection device for flam sizes
- Supports LPG fuel type
- Curve graph is shown in display
- High sensitivity and a small amount of sample
- Repeatability - 1% CV for 20 consecutive samples
- Air compressor including

Applications

- Used widely in the measurement of alkali elements concentration in all sample types in mineral extraction, Oil Industry, Paper Industry, Pharmaceuticals, Soil Analysis, Utilities, Food & Beverage, Chemical manufacturing and Fertilizer and Clinical laboratory testing and Pathological study in medical health.

Standard Accessories

- Air compressor x 1 pcs
- Pu pipe (Air) Φ6 x 4 (2 meter)
- Latex pipe (Liquid waste) Φ6 (1.5 meter)
- Capillary Φ 1.8 x 0.8 x 180 x 1 pcs
- Rubber pipe (Liquefied gas) Φ6 (2 meter)
- Liquefied gas regulator x 1 pcs
- Locking chuck (Liquefied gas) x 1 pcs
- Glass cover x 1 pcs
- Cover part (Chimney cover) x 1 pcs
- Water trap x 1 pcs
- Nebulizer assembly
- Syringe
- Capillary injection
- Ignition valve
- Air regulating valve

Optional Accessories

- Software
- Built-in printer

71-75 Shelton Street Covent Garden, London WC2H 9JQ UK.

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